

Figure Legends

Figure 1. Western blot of cyanogen bromide cleaved CA125 peptides probed with M11 and OC125 antibodies. 40 kd band was excised for amino acid sequencing.

Figure 2. Homology of 40 kd amino terminal and internal 40 kd sequence to EST.

Figure 3. Amplification and sequence data of PCR products obtained using oligonucleotide primers derived from EST (800 base reports).

Figure 4a. Compilation (ordering) of repeats from sequence overlap of 800 base sequence data.

Figure 4b. cDNA from database with overlap homology to our sequence.

Figure 5. Complete sequence of 12 repeats and carboxy terminus of the CA125 molecule.

Figure 6. PCR amplification of cDNA derived from normal ovarian tissue (lanes 1 & 2), serous ovarian tumors (lanes 3 & 4), and a mucinous tumor using primers for repeat sequences.

Figure 7. Diagram of completed part of the CA125 molecule.

Figure 8. Diagram of 40 kd (160 amino acid) repeat.